

CLAIMS

What is claimed is:

1 **(1)** A brightness adjusting system, comprising:

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3 a display gradation calculator for calculating the display brightness in a
4 specific area of an image displayed on the screen of a display unit; and

5 a brightness adjuster for adjusting the screen brightness of said display unit
6 according to said display brightness in said specific area, calculated by said
7 display gradation calculator.

1. **(2)** The system according to Claim **1**,

2 wherein said display gradation calculator calculates the display brightness
3 in said specific area by converting the gradation of each RGB element in a
4 draw signal of an image displayed in said specific area to a gray scale
5 gradation.

1 **(3.)** A brightness controlling method for controlling the screen brightness of a
2 display unit, wherein said method comprises:

3 a step of calculating the display brightness in a certain window displayed on
4 the screen of said display unit; and

5 a step of adjusting the brightness of the whole screen of said display unit
6 according to said calculated display brightness.

1 **(4)** The method according to Claim **3**,

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3 wherein said method further comprises a step of monitoring the state of
4 each window displayed on said screen of said display unit so as to detect a
5 focused window on said screen, and

6 said step of calculating said display brightness further comprises a step of
7 calculating the display brightness in said detected focused window.

1 (5) The method according to Claim 3 ,

2 wherein said step of calculating said display brightness further comprises:

3 a step of obtaining gradation information of each RGB element in a color

4 displayed in said window; and

5 a step of converting said obtained gradation of each RGB element to a gray

6 scale gradation so as to decide said converted gray scale gradation as the

7 display brightness in said window.